



WINTER DRIVING SAFETY



THINK BEFORE YOU DO.....

AND PLAN FOR THE UNEXPECTED.....



SNOW



Be Prepared for Winter Driving

Don't
Risk It!

- Before
- During
- After

WEATHER



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You must understand how cold weather effects your vehicle before, during, and after operation.





Privately Owned Vehicle Risk Management Tools

- TRiPS Privately Owned Vehicle Risk Assessment
 - <https://trips.safety.army.mil/login.aspx?ReturnUrl=%2f>
- American Automobile Association New England
 - <http://www.southernnewengland.aaa.com/?zip=01453&devicecd=PC&referrer=www.google.com>
- US Army Combat Readiness Center
 - <https://safety.army.mil/>
- US Army Garrison Fort Devens
 - https://www.devens.army.mil/Devens_Staff/Safety/index.htm



WINTER DRIVING SAFETY

- **SLOW DOWN - TRIPLE THE DISTANCE TO THE CAR AHEAD**
- **STAY IN PLOWED LANES**
- **TO SWITCH LANES - SLOW DOWN, SIGNAL, AND MOVE OVER SLOWLY**
- **STEER IN THE DIRECTION OF THE SKID**
- **DO NOT PUMP BRAKES - GENTLE PRESSURE ONLY**
- **ENSURE GOOD VISIBILITY**
- **CLEAR ICE AND SNOW OFF OF CAR WINDOWS**
- **REMOVE SNOW FROM ALL CAR SURFACES**
- **CLEAN YOUR HEADLIGHTS FREQUENTLY**
- **ENSURE YOUR WINDSHIELD WASHER RESERVOIR IS FILLED WITH A NON FREEZING CLEANING SOLUTION**
- **BE WELL RESTED BEFORE TRAVELING**
- **7 TO 8 HOURS SLEEP**
- **WINTER ROAD AND WEATHER CONDITIONS INCREASE STRESS AND PRODUCE FATIGUE**
- **SIGNS OF FATIGUE: BACK TENSION, BURNING EYES, SHALLOW BREATHING, INATTENTIVENESS, AND ERRATIC DRIVING**
- **ALCOHOL CONSUMPTION INCREASES FATIGUE**
- **DON'T PUSH YOURSELF - IF YOU HAVE TO FORCE YOURSELF TO STAY AWAKE IT IS**



WINTER DRIVING SAFETY

Speed - The No. 1 cause of winter driving accidents is driving too fast.

Patience - and courtesy save lives.

Awareness - of other vehicles and your environment is essential.

Concentration - The increased hazards of winter driving make this important



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PREPARE





Before beginning your journey during winter weather conditions

ASK YOURSELF?

- Is your journey essential.
- What is the weather forecasts.
- New traffic information for travel.
- Expected arrival time.
- Do I have enough warm clothes, boots, and a flashlight – it could be a long walk to a phone.
- Windows and mirrors.





PEEP HOLE DRIVERS



GET THE BIG PICTURE,
CLEAR ALL CAR SURFACES BEFORE
DRIVING.

LEAVE EARLIER!
DON'T BE A PEEP HOLE
DRIVER!



Motor Vehicle Accidents Are The Number One Accidental Death Of Soldiers!!

Fatal Factors That Affect Traffic Deaths:

- **S**peed
- **A**lcohol
- **F**atigue
- **C**omplacency
- **S**eat Belts Not being Used

Online Vehicle Accident Avoidance training can be found at:

<https://www.lms.army.mil>

WINTER CRASHES

PUTTING THE BRRRRRAKES ON WINTER DRIVING CRASHES

Although South Carolina highways see very little severe weather, it's still important to remember that driving on snowy or icy roads requires special attention to safety. Even experienced drivers can find their nerves and skills tested by winter road conditions.

DEFINITION:

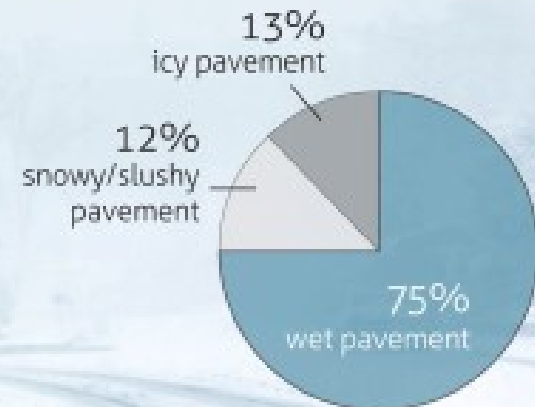
weather that results in crashes includes:

rain
snow
sleet
fog

6,301,000 / YEAR
VEHICLE CRASHES

24 PERCENT
WEATHER RELATED

WHERE DO THESE INCIDENTS OCCUR?



Source: U.S. Department of Transportation & Federal Highway Administration

 KeenanSuggs
theksblog.com | keenansuggs.com



WINTER DEATHS

Everyone is potentially at risk during winter storms. The actual threat to you depends on your specific situation. Recent observations indicate the following:

Related to ice and snow:

- ❖ **70% occur in automobiles.**
- ❖ **75% are males**
- ❖ **25% are people caught out in the storm.**
- ❖ **20% winter exposure at home**
- ❖ **50% are people over 60 years old.**

Fatal crashes were 14% more likely on the first day



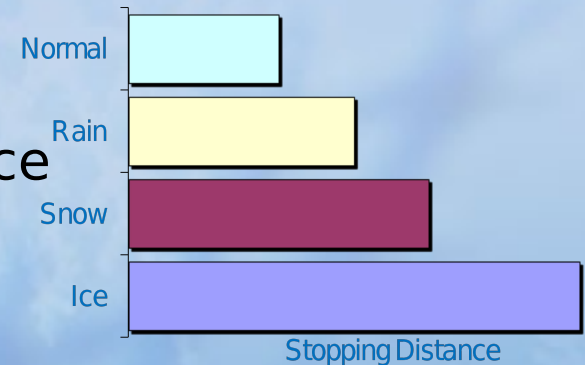
SAFE DRIVING SKILLS

➤ Following Distance

- Normal (Dry Road) Driving - 3 seconds
- Winter Driving - 6 or more seconds

➤ Stopping Distance

- Rain - 50% more than dry
- Snow - 2x normal stopping distance
- Ice - 3x normal stopping distance



➤ Braking

- Gently tap and release brake pedal in a pumping motion
- Vehicles with ABS/disk brakes should apply steady, gentle

pressure to the pedal - *do not pump brakes.*



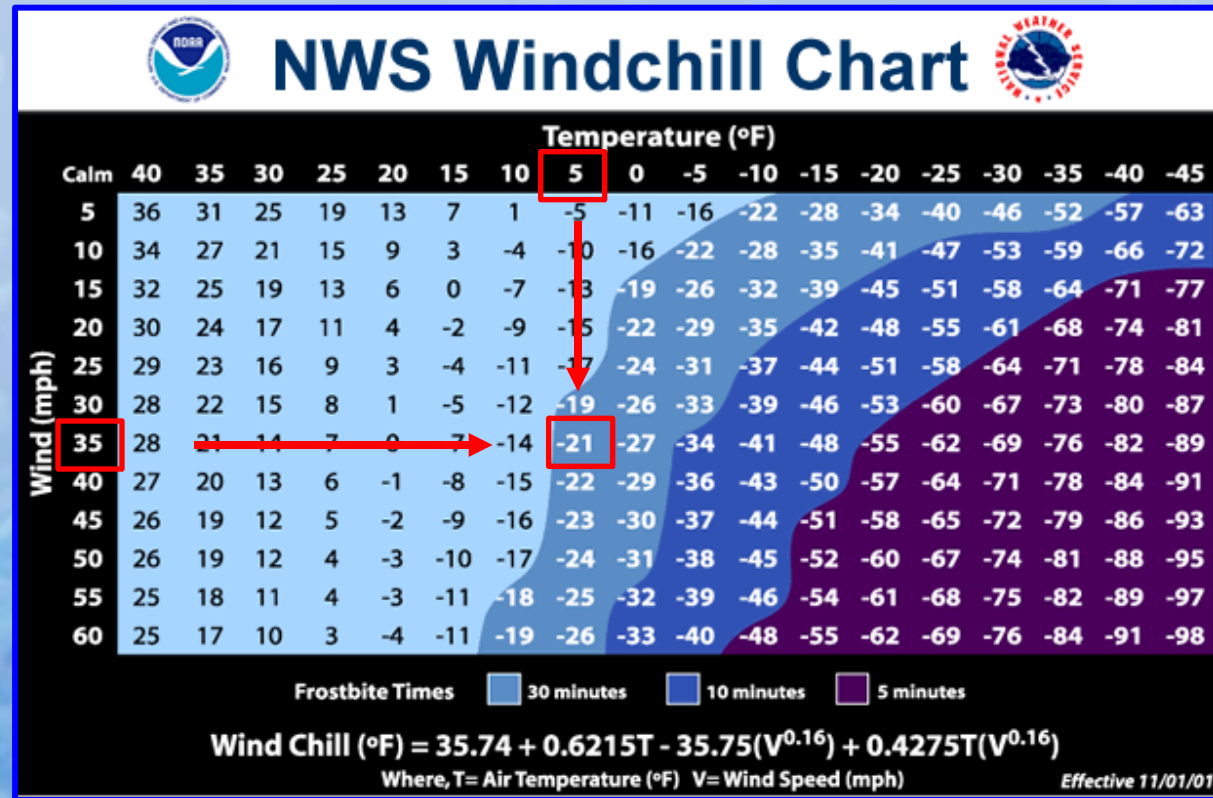
WIND CHILL TEMPERATURES

Examples of wind chill:

With the temperature of 5°F and winds blowing at 35 mph, the wind chill index would be -21°F, which could cause frostbite within 30 minutes. **Increased Danger**

With a temperature of -20°F and winds blowing at 35 mph, the wind chill index would be -55°F and could cause frostbite in less than 5 minutes.

Great Danger





WINTERIZE YOUR VEHICLE



BATTERY



HAZARD LIGHTS



ANTIFREEZE



EXHAUST SYSTEM



WIPERS & FLUID



HEATER



IGNITION SYSTEM



BRAKES



THERMOSTAT



DEFOSTER



LIGHTS



OIL LEVEL



ALL SEASON OR SNOW TIRES

VEHICLE EMERGENCY KIT

- A flashlight and extra batteries
- Extra batteries
- Blankets
- A tow rope
- Jumper cables
- Road flares or reflectors
- Nonperishable food
- Extra water
- Bag of salt, sand or cat litter
- Basic tools, like a screwdriver, a wrench and some pliers.
- Road maps.
- A pocket knife.
- Extra medications.
- A first-aid kit.
- Cell phone charger.



TIRES

Be TireWise!



Be TireWise, because the only thing between you and the road are your tires.


Yearly estimates back up that statement. On average:

- Drivers in the United States put more than 2,969 billion miles on their tires,
- There are nearly 11,000 tire-related crashes, and
- Almost 200 people will die in those crashes.

Many of these crashes can be prevented through proper tire maintenance—including tire inflation and rotation—and understanding tire labels, tire aging, and recalls and complaints.

Because safety is our top priority, the National Highway Traffic Safety Administration and the Department of Transportation want to make sure you have the tools to avoid being in one of those 11,000 crashes. *TireWise* is your resource to help you make smart decisions to keep you and your family safe, whether you're in the market to buy new tires or want to extend the life and safety of the ones on your car or truck.

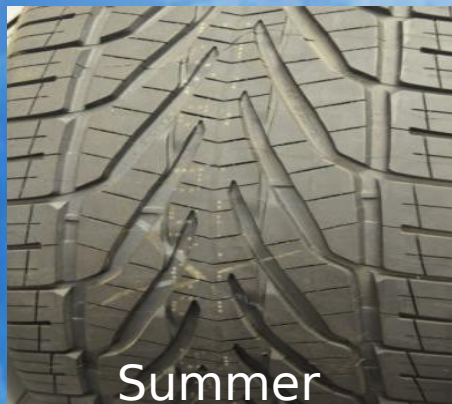
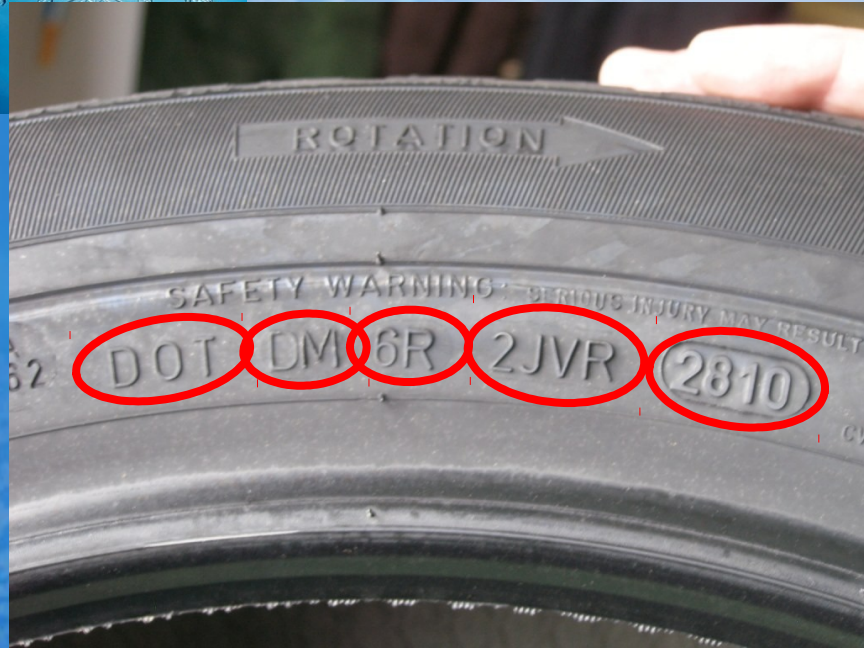
TireWise is also a resource for tire manufacturers, sellers and other partners to provide essential information to consumers for choosing and caring for their tires.

	TIRE AND LOADING INFORMATION		
	SEATING CAPACITY : TOTAL 5, FRONT 2, REAR 3		
The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.			
ORIGINAL TIRE SIZE	COLD TIRE INFLATION PRESSURE		SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
P195/70R14	FRONT	200kPa, 29PSI	
	REAR	200kPa, 29PSI	
COMPACT SPARE TIRE	COLD TIRE INFLATION PRESSURE		
T125/70D15	420kPa, 60PSI		

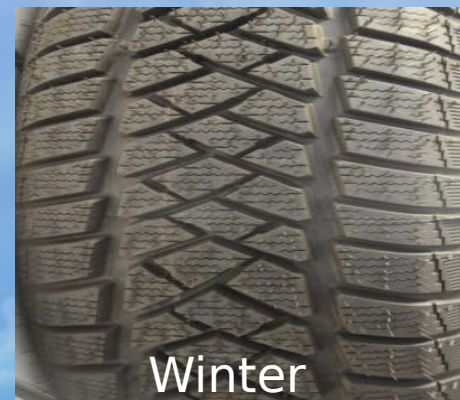


<http://www-odi.nhtsa.dot.gov/subscriptions/index.cfm>

TIRES



Summer



Winter



**If the tires
begin to lose
traction,
resist the
temptation to
stomp on the
brakes.**





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DURING OPERATION



INTERSTATE HAZARDS

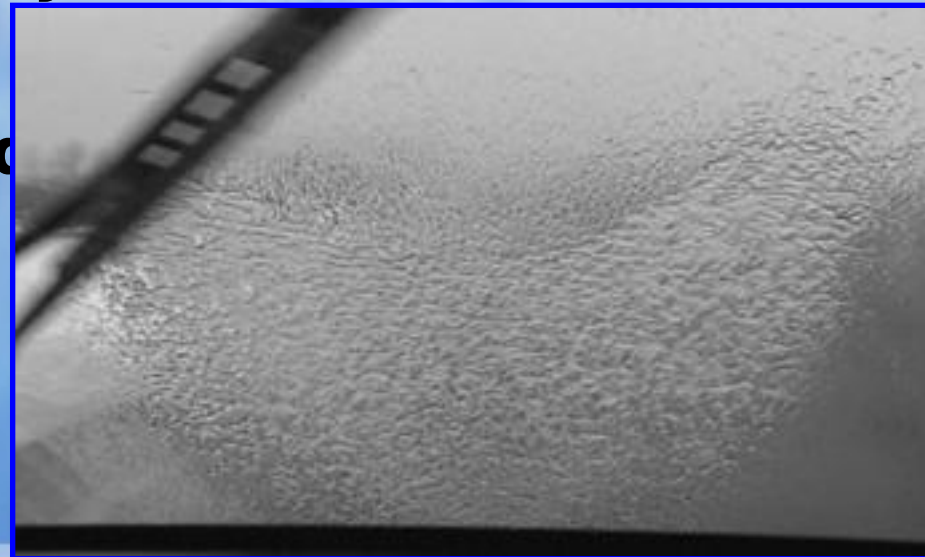
Typical exits do not allow much time for deceleration. Watch your speed and maintain situational awareness.





MAINTAIN A COMFORTABLE DRIVING ENVIRONMENT

- **A constant flow of cool air will help to keep you alert, and keep the windows clear of frost.**
- **Keeping one window slightly open will allow you to hear sirens and other warning sounds more quickly.**
- **Avoid large bulky winter gloves, and never drive in snow.**



ANTICIPATE DIFFICULT SITUATIONS

Studies show that **80%** of all accidents could be prevented with only **one** more second to react. In many situations, this **one** second can be gained by





Sleeping in an enclosed vehicle with the engine running can lead to a nice quiet death-

**DO NOT SLEEP IN A
VEHICLE WITH
ENGINE RUNNING !!!**



WEAR YOUR SEATBELT!



A Law You Can *LIVE* With



Winter Driving



Slow Down
Anything Can Happen!

Safety  **Source**
safetysource.ca

